

## SITE FACT SHEET

### **Bombardier Transportation Mexico Site in Sahagún, State of Hidalgo, Mexico**

#### **Basic Information**

Bombardier Transportation has 25 years presence in Mexico (since 1992) and employs around 1,800 people. The company has developed a strong and successful local manufacturing footprint in the Mexican rail industry. The plant in Sahagún, Hidalgo (site 60), is one of the largest in the Bombardier network and is the only one in Mexico that specializes in the design, manufacture, introduction of passenger rail vehicles, maintenance and after-sales services.

The company offers to the Mexican market a complete range of systems, products and rail passenger services such as, metro cars, light rail, locomotives and regional trains.

The Ciudad Sahagún site is a 500,000 square meters facility located 90km north-east of Mexico City, this plant has state of the art equipment for the production of high quality products and services.

#### **Main Process Areas**

- Heavy & light metallic shops to manufacture sheet metal parts (17,300 sq.m.)
- Welding area for minor subassemblies (4,700 sq.m.)
- Metallic lines (32,000 sq.m.)
- Painting area (11,500 sq.m.)
- Dressing area (13,000 sq.m.)
- Static test area (2,300 sq.m.)
- Dynamic test track (500 m.)

#### **Main Products and Contracts**

- Bombardier has supplied around 70% of the rolling stock currently in operations in Mexico, manufactured at its local facilities.
  - 61% of metro cars currently in operation in Mexico City (STC)
  - 100% of the Electric Transport light rail vehicles fleet in Mexico City (STE-DF)
  - 74% of the Urban Transit System fleet currently operating in Monterrey (Metrorrey)
  - 100% of the light rail vehicle fleet currently operating in Guadalajara (SITEUR)

- Bombardier Transportation Mexico has expanded its reach throughout North America, enhancing its growth, by participating in locomotives projects for the US market, multilevel trains, trams and light rails for Toronto, metro cars for Montréal, Toronto, New York City and San Francisco, among others. Metros for Riyadh, Kingdom of Saudi Arabia, and for Kuala Lumpur, Malaysia. Also currently manufacturing LRVs for Guadalajara, Jalisco.

## Historical Milestones

- 1952** Constructora de Carros de Ferrocarril (Concarril) is founded by the Mexican government with a plant in Sahágun, Hidalgo
- 1973** The first pneumatic cars for the Sistema de Transporte Colectivo (STC) are built (MN73)
- 1981** Bombardier Transportation signs its first contract for the Mexican market to manufacture 180 metro cars for Sistema de Transporte Colectivo (STC) in Mexico City
- 1990** Contract with the Sistema de Tren Eléctrico Urbano de Guadalajara (SITEUR) and Concarril to manufacture 25 LRVs  
Contract with Monterrey metro, Metrorrey and Concarril to manufacture 12 LRVs
- 1992** On May 6<sup>th</sup>, Bombardier Inc. acquires Constructora Nacional de Carros de Ferrocarril (Concarril), creating Bombardier Concarril, later named **Bombardier Transportation Mexico**
- 1993** First contract with Sistema de Transporte Colectivo (STC) to refurbish metro cars (234 MP68-R93) for Lines 5, 7 and B, first phase
- 1995** Contract to manufacture 78 steel-wheel cars model FM-95A for the Sistema de Transporte Colectivo Metro (STC) in Mexico City, Line A  
First contract to manufacture 4 Light Rail Vehicles (LRVs) for Servicio de Transportes Eléctricos (STEDF) in Mexico City TE-95
- 1996** Second refurbishing phase of metro cars (252 MP68-R93) for the Sistema de Transporte Colectivo (STC), Line 1 and B
- 1997** Joint Venture with 'The Greenbrier Companies' to build freight cars through Gunderson Concarril with a production capacity of up to 3,000 cars/year  
Begin manufacturing of diesel electric locomotives. Since then the production goes over 2,000 locomotives
- 1998** Bombardier produces in Mexico the first electrical harness for its vehicles  
Bombardier begins to assemble electrical diesel locomotives for Electro-Motive Diesel (EMD) a division of General Motors

- 1999** First contract to supply components for a project in the United States, under frames for the New York City Transit Authority (NYCTA)
- 2000** The site of Sahagún is recognized as the Light Rail Center of Expertise for the Americas
- 2001** Minneapolis low-floor LRVs (24 trains)
- 2002** Contract to manufacture 405 Metro cars model NM-02 for Sistema de Transporte Colectivo (STC), Mexico City Metro, Line 2
- 2004** Termination of the Joint venture with Gunderson and signature of leasing agreement  
Sahagún starts to build underframes for Long Island Rail Road (LIRR) y Metro North Railroad (MNR)
- 2005** Inauguration of Bombardier Aerospace in Mexico, located in Querétaro for manufacturing of airplanes components  
  
Contract to manufacture 14 Light Rail Vehicles (LRVs) NM-05 for Monterrey metro. Line 1, Metrorrey
- 2006** Vancouver and Kuala Lumpur Advanced Rapid Transit (ART) trains (188 cars)  
  
Primary parts, minor sub-assemblies and harnesses for New Jersey Transit (NJT), Agence Métropolitaine de Transport (AMT), Chicago Transit Authority (CTA) and Light Rail Vehicles (LRV) for Toronto Transit Commission (TTC)  
  
Contract to manufacture 4 Light Rail Vehicles (LRVs) TE-06 for Servicio de Transportes Eléctricos (STEDF) in Mexico City
- 2009** Bombardier opens a new facility specialized in electrical assemblies in Huehuetoca, State of Mexico. One year later, it becomes the main supplier of Bombardier Transportation in North America
- 2010** Opening of the Tlanalapa site in Hidalgo
- 2012** Contract to manufacture 4 LRVs model TE-12 for Transportes Eléctricos del Distrito Federal (STEDF) line Taxqueña-Xochimilco, Mexico City  
  
BART Project begins for assemblies and electrical harnesses
- 2013** Move of Tlanalapa site to BT Hidalgo site
- 2014** Locomotive number 2000. End of shopping floor leasing agreement with Gunderson
- 2015** Put into service of four LRVs for Servicio de Transportes Eléctricos (STEDF). Awarded contract with Sistema de Tren Eléctrico Urbano de Guadalajara (SITEUR) to supply 12 LRVs for Guadalajara
- 2017** On March, 16<sup>th</sup>, Shipping 1<sup>st</sup> LRV to Sistema de Tren Eléctrico Urbano de Guadalajara (SITEUR) facilities, two months ahead of contract schedule  
  
**Bombardier celebrates 25 years** of work and success in Mexico

## **Capabilities**

- Heavy & light metallic shops to make sheet metal parts
- Welding shops for minor subassemblies
- Electrical assemblies
- Metallic lines
- Painting shops
- Subway cars design, manufacturing and customer service (Rubber tired and steel wheel).
- High Floor LRV cars design, manufacturing and customer service
- Freight locomotives assembling for the North American market
- Static test shops
- Dynamic test track for subways (500 m), locos (1200 m)
- Welding training center for carbon steel and aluminum

## **Some of our certifications**

- Certified ISO 9001: 2000 (Quality),
- Certified ISO 14001: 2004 (Environmental Management System)
- OHSAS 1801: 1999 (Health and Safety Management System)
- Certified American Welding Society
- Certified American Association of Railroads
- Certified Clean Industry

## **Address**

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